

[> home](#) [> about](#) [> feedback](#) [> login](#)

US Patent &amp; Trademark Office

Try the *new* Portal design

Give us your opinion after using it.

## Search Results

Search Results for: **[fuzzy inference<AND>((missile<AND>((intercept AND guidance AND control) )) )]**

Found **1** of **126,861** searched.

## Search within Results

[> Advanced Search](#)[> Search Help/Tips](#)

---

Sort by: **Title**   **Publication**   **Publication Date**   **Score**   Binder

---

**Results 1 - 1 of 1**   short listing

---

**1** Expert system on a chip: an engine for real-time approximate reasoning 77%



M Togai , H Watanabe

**Proceedings of the ACM SIGART international symposium on Methodologies for intelligent systems** December 1986

The role of inferencing with uncertainty is becoming more important in rule-based expert systems (ES), since knowledge given by a human expert is often uncertain or imprecise. We have succeeded in designing a VLSI chip which can perform an entire inference process based on fuzzy logic. The design of the VLSI fuzzy inference engine emphasizes simplicity, extensibility, and efficiency (operational speed and layout area). It is fabricated in 2.5  $\mu\text{m}$  CMOS technology. The inference engine con ...

---

**Results 1 - 1 of 1**   short listing

---

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2004 ACM, Inc.